

## IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An activity board assembly comprising:
  - a board having an upper surface for supporting a user;
  - a base portion; and
  - a resilient support member having an upper and a lower distal end, said upper end being connected to an underside of said board and said lower distal end being connected to said base portion, wherein the board is rotatable with respect to the base portion about
    - a first axis in a plane substantially orthogonal with the upper surface of the board or the base portion;
    - a second axis substantially orthogonal to said first axis and substantially parallel to the upper surface of the board or the base portion;
    - a third axis orthogonal to both the first and second axis; and
    - a fourth axis substantially parallel to the second axis,said connection between the resilient support member and the base portion being configured to prevent linear movement with respect to each other.
2. (Original) An activity board assembly as claimed in claim 1, wherein the board is rotatable about said first axis by a rotatable connection between the resilient support member and either the board or the base portion.

3-5. (Cancelled)

6. (Previously Presented) An activity board assembly as claimed in claim 1, wherein lateral displacement of said upper end of the support member from said first axis provides at least a component of rotational movement about the second or third axes.

7. (Previously Presented) An activity board assembly as claimed in claim 1, wherein the resilient support member is formed from at least one of: a coil spring; a unitary or laminate elastic rod; or any other object capable of bearing the weight of a user mounted on the board without permanent deformation whilst also being capable of resilient lateral displacement or bending at the upper end under the effects of eccentric forces applied by the user about the first axis.

8. (Previously Presented) An activity board assembly as claimed in claim 1, wherein the resilient support member is biased to return the board from a displaced position to an equilibrium position with the said first axis vertically aligned.

9. (Previously Presented) An activity board assembly as claimed in claim 1, wherein the resilient support member is adapted to allow linear movement of the board along said first axis.

10. (Previously Presented) An activity board assembly as claimed in claim 1, further including a tilting mechanism interposed between the upper end of the

resilient support member and the lower surface of the board, capable of providing rotation about the second axis.

11-20. (Cancelled)

21. (Previously Presented) An activity board assembly as claimed in claim 1, wherein the base portion has a laterally-enlarged ground-engaging lower surface and a central connecting member connected to the lower end of the resilient support member.

22. (Original) An activity board assembly as claimed in claim 21, further incorporating at least one wheel or roller assembly located on said base portion ground-engaging lower surface.

23-30. (Cancelled)

31. (Previously Presented) An activity board assembly comprising:

- a board having an upper surface for supporting a user;
- a base portion; and
- a support member having an upper and a lower distal end, said upper end being connected to an underside of said board and said lower distal end being connected to said base portion, wherein the board is rotatable with respect to the base portion about
  - a first axis in a plane substantially orthogonal with the upper surface of the

board or the base portion, wherein the first axis of rotation provides 360 degrees of rotation;

- a second axis substantially orthogonal to said first axis and substantially parallel to the upper surface of the board or the base portion;
  - a third axis orthogonal to both the first and second axis; and
  - a fourth axis substantially parallel to the second axis,
- said base portion being provided with one or more wheel or roller assemblies on a lower surface.

32-35. (Cancelled)

36. (Withdrawn) An activity board assembly as claimed in claim 1, further including at least one displacement assembly, located between said lower board surface and the resilient support member, said displacement assembly being configured to allow at least partially translational relative movement between the board and the resilient support member at least partially along, or parallel to the second or third axis.

37. (Withdrawn) An activity board assembly as claimed in claim 36, wherein said translational movement is constrained solely within a plane extending through both the first and third axes.

38. (Withdrawn) An activity board assembly as claimed in claim 37, wherein said translational movement is constrained to movement substantially along the third

axis.

39-42. (Cancelled)

43. (Withdrawn) An activity board assembly comprising:

- a board having an upper surface for supporting a user;
- a base portion;
- a resilient support member having an upper and a lower distal end, said upper end being connected to an underside of said board and said lower distal end being connected to said base portion, and
  - at least one displacement assembly, located between said lower board surface and the resilient support member, wherein the board is rotatable with respect to the base portion about
    - a first axis in a plane substantially orthogonal with the upper surface of the board or the base portion, wherein the first axis of rotation provides 360 degrees of rotation;
    - a second axis substantially orthogonal to said first axis and substantially parallel to the upper surface of the board or the base portion;
    - a third axis orthogonal to both the first and second axis; and
    - a fourth axis substantially parallel to the second axis,said displacement assembly being configured to allow at least partially translational relative movement between the board and the resilient support member at least partially along, or parallel to the second or third axis.

44-45. (Cancelled)

46. (Withdrawn) An activity board assembly comprising:

- a board having an upper surface for supporting a user;
- a base portion; and
- a support member having an upper and a lower distal ends, said upper end

being connected to an underside of said board and said lower distal end being connected to said base portion, wherein the board is rotatable with respect to the base portion about

- a first axis in a plane substantially orthogonal with the upper surface of the board or the base portion;

- a second axis substantially orthogonal to said first axis and substantially parallel to upper surface of the board or the base portion;

- a third axis orthogonal to both the first and second axis; and

- a fourth axis substantially parallel to the second axis,

said base portion being adapted for constrained movement along an elongate guiding track.

47-48. (Cancelled)

49. (Withdrawn) An activity board assembly as claimed in claim 46, further provided with a brake mechanism for controlling the speed of the activity board assembly along said elongated guiding track.

50-53. (Cancelled)

54. (Withdrawn) An activity board system including an elongated guiding track and one or more activity board assemblies as claimed in claim 49, said activity board assemblies being adapted for constrained movement along said elongated guiding track.

55-56. (Cancelled)

57. (Withdrawn) An activity board assembly as claimed in claim 1, adapted to interface with a processor and a display.

58. (Withdrawn) An activity board system including an activity board assembly as claimed in claim 57 including a processor configured to be interfaced with a display.

59. (Withdrawn) An activity board system as claimed in claim 58, further including a sensor system capable of detecting the position and/or movement of the board and transmitting same to said processor and display.

60-63. (Cancelled)

64. (Withdrawn) An activity board system as claimed in claim 59, wherein said sensor system includes a combination of location sensors and movement sensors, configured such that feedback from the sensors is input to said processor and

thereafter output to said display as a graphical representation of the board's position and movement.

65-72. (Cancelled)

73. (Withdrawn) The activity board assembly of claim 1, further comprising:  
a braking mechanism to adjust the freedom of movement of the board about the first axis.

74. (Withdrawn) The activity board assembly of claim 73, wherein the braking mechanism comprises a threaded bolt passing through a small protrusion to bear on a portion of a rotatable housing coupled between the board and the resilient support member.

75. (Currently amended) The activity board assembly of claim ~~73, wherein the~~  
~~braking mechanism comprises 1, further comprising:~~  
a pair of adjustable hinged jaws to vary the friction on a portion of a rotatable housing coupled between the board and the resilient support member.